

XP-002082458

1/1 - (C) WPI / DERWENT  
AN - 91-135563 ¶19!  
AP - JP890209297 890810  
PR - JP890209297 890810  
TI - Zinc alkaline secondary cell - contg. polyoxyethylene fatty acid amide as corrosion inhibitor for zinc-amalgam cathode  
IW - ZINC ALKALINE SECONDARY CELL CONTAIN POLYOXYETHYLENE FATTY ACID AMIDE CORROSION INHIBIT ZINC AMALGAM CATHODE  
PA - (SAOL ) SANYO ELECTRIC CO  
- (SANY-N) SANYO EXEL KK  
- (SANY-N) SANYO KK  
PN - JP3071559 A 910327 DW9119 000pp  
ORD - 1991-03-27  
IC - H01M4/62  
FS - CPI;EPI  
DC - A85 E17 L03 X16  
AB - J03071559 Zinc alkaline secondary cell comprises cathode active substance of Zn, and electrolyte of alkaline aq. soln. As corrosion preventive agent for the cathode active substance, polyoxyethylene fatty acid amide of the formula (I) is used. In (I) R = alkyl or unsatd. fatty acid; n = polymerisation deg. of oxyethylene.  
- ADVANTAGE - Amt. of Hg for amalgamation of the Zn cathode of the zinc alkaline cell can be reduced. Corrosion resistance of the Zn cathode is improved.  
- In an example, the Zn cathode was prep'd. as follows: Amalgamated Zn alloy powder of 20-200 mesh, contg. 0.02% of In, 0.05% of Pb and 0.05% of Al, was gelatinised with polyacrylic acid in 40 wt% KOH aq. soln. 0.5 wt% to the Zn wt. of polyoxy-ethylene fatty acid amide was added to the Zn cathode, as the corrosion preventive agent. (6pp Dwg.No.1/2)